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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert L. Goldsmith  
Serial No. : 10/812,538  
Filed : March 30, 2004  
For : AIRLIFT MEMBRANE DEVICE AND  
MEMBRANE BIOREACTOR AND BIOREACTOR  
PROCESS CONTAINING SAME  
Examiner : Not yet assigned  
Art Unit : 1724  
Attorney Docket No. : 647P002Div.

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on June 30, 2004 (Date)

Kevin S. Lemack  
Name of applicant, assignee, or Registered  
Representative

[Signature]  
Signature  
June 30, 2004  
Date

**PRELIMINARY AMENDMENT**

Prior to the examination of the above-identified  
application, please amend the above-identified application  
as follows:

**Amendments to the Drawings** begin on page 2 of this paper.

**Amendments to the Specification** begin on page 3 of this  
paper.

**An Appendix** containing amended drawing sheets follow page 4  
of this paper.

Respectfully submitted,

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**Amendments to the Drawings:**

The attached six sheets of drawings include changes to Figures 1, 2, 3a, 3b, 4, 5 and 6. These sheets, which include Figures 1, 2, 3a and 3b, 4, 5 and 6, replace the respective original sheets including the same Figures.

In Figure 1, an inadvertent crescent marking has been deleted from the lower left of the monolith, and ovals in the housing shell at the top and bottom outside the volume occupied by the monolith (both sides) have been deleted.

In Figure 2, the cross-hatching in the central cavity 17 has been removed, and the opposite end face has been placed in proper perspective.

In Figure 3a, proper hatching has been added.

In Figure 3b, proper hatching has been added.

In Figure 4, an inadvertent crescent marking has been deleted from the lower left of the monolith, and ovals in the housing shell at the top and bottom outside the volume occupied by the monolith (both sides) have been deleted.

In Figure 5, an inadvertent crescent marking has been deleted from the lower left of the monolith, and ovals in the housing shell at the top and bottom outside the volume occupied by the monolith (both sides) have been deleted.

In Figure 6, the four membrane banks have been properly shown consistent with Figure 3a, and the influent liquid and treated liquid outflow paths have been properly shown.

Attachment: Replacement sheets



PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/812,538	
	Filing Date	March 30, 2004	
	First Named Inventor	Robert L. Goldsmith	
	Art Unit	1724	
	Examiner Name	Not yet assigned	
Total Number of Pages in This Submission	T1	Attorney Docket Number	647P002Div.

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> Drawing(s) Replacement Sheets Figs 1-6	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
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<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>		
Firm or Individual name	Kevin S. Lemack Niels & Lemack	
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Date	June 30, 2004	

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